

Robotics Fall 2006: 2007 Darpa Grand Challenge: Autonomous Driving in Urban Environments

Undergraduates: 6.142J/16.401J
Graduates: 6.897

- **Be part of Team MIT for the Darpa Urban Challenge!**
- **Build software for the Team MIT Autonomous Car!**
- **Explore topics like vision, navigation, localization, and control!**



Course Objective

This subject is a project course in mobile robotics. You will be introduced to the basic concepts in robotics, focusing on the control and perception subsystems, and error and uncertainty handling, required for an autonomous car capable of safe driving in an urban environment among other cars. You will also be introduced to software engineering and integration issues. Each student will work as part of a small team on specific aspects of the Urban Challenge solution developed by Team MIT (gc.mit.edu).

Course Details

- **Lectures:** F 10-12 (33-419) and Labs TR 2-4 (Gelb Lab)
- **Credit:** 12 Units (2-6-4), 12 EDPs.

<http://courses.csail.mit.edu/6.142/>